



682 Miniature cartridge Fuse



Main Characteristics
Miniature cartridge fuse; Fast-Acting(F)

Standard

UL 248

Materials

Tube: Ceramic Tube
End Caps: Silver plated copper

Operating Temperature

-55°C to +125°C

Storage Conditions

+10°C to +60°C
Relative humidity: ≤75% yearly average
Without dew, maximum 30 days at 95%

Vibration Resistance

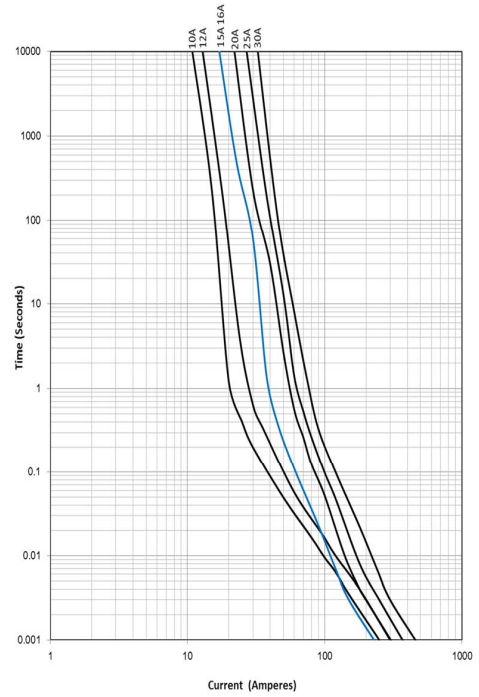
24 cycles at 15 min. each (60068-6)
10-60Hz at 0.75mm amplitude
60-2000Hz at 10g acceleration

Soldering Parameters

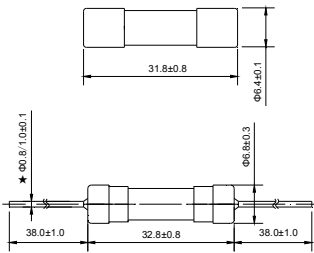
260°C. ≤5 sec (Wave Soldering)
350°C. ≤3 sec (Hand Soldering)

Soldering Peak:

260°C. 10 sec. (IEC 60068-20)



Dimensions (unit: mm)



★ 10~12A : Φ 0.8mm
15~30A : Φ 1.0mm

Time vs Current Characteristics: UL 248

Rated Current	150%	200%	300%
10A~30A	<30min	<5min	<10s



Electrical Characteristics at 25°C

Amp Code	Rated Current	Rated Voltage	Breaking Capacity	Typical Cold Resistance (mΩ)	Typical Melting I ² T (A ² s)	Approval	
						cURus	TUV
2100	10.00A	500VAC 500VDC	30KA@500VAC 20KA@500VDC	17.1	100	●	●
2120	12.00A			12.3	140	●	●
2150	15.00A			8.0	66	●	●
2160	16.00A			8.0	62	●	●
2200	20.00A			5.5	120	●	●
2250	25.00A			4.6	200	●	●
2300	30.00A			3.7	270	●	●

Note:

- (1) DC cold resistance are measured at <10% of rated current in ambient temperature of 25°C.
- (2) Typical pre-arcing I²t are measured at 10In current.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
682			



Sales Contact
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National High-tech Enterprise
SC 32C National Technical Committee Member of China
Intertek ISO 9001 Certified Company
Intertek ISO 14001 Certified Company
Intertek QC 080000 Certified Company
NQA IATF 16949 Certified Company

国家高新技术企业
SC 32C 国内专家组成员单位
ISO 9001 认证企业
ISO 14001 认证企业
QC 080000 认证企业
IATF 16949 认证体系